

L27 ANSWER 29 OF 48 CAPLUS COPYRIGHT 2003 ACS

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TI Stabilization of polypropylene, polyethylene, polystyrene and poly(vinyl chloride) to light

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PA Vysoka Skola Chemicko-Technologicka, Czech.

SO Ger. Offen., 6 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---------------|------|----------|-----------------|----------|
| PI | DE 3545476 | A1 | 19860703 | DE 1985-3545476 | 19851220 |
| | CS 253651 | B1 | 19871217 | CS 1984-10643 | 19841229 |
| | DD 261060 | A3 | 19881019 | DD 1985-281581 | 19851010 |
| | NL 8503495 | A | 19860716 | NL 1985-3495 | 19851219 |
| | GB 2169298 | A1 | 19860709 | GB 1985-31748 | 19851224 |
| | GB 2169298 | B2 | 19881012 | | |
| | FR 2575481 | A3 | 19860704 | FR 1985-19311 | 19851227 |
| | FR 2575481 | B3 | 19870206 | | |
| | HU 39757 | A2 | 19861029 | HU 1985-5014 | 19851228 |
| | HU 196836 | B | 19890130 | | |
| PRAI | CS 1984-10643 | | 19841229 | | |

AB Secondary alcs. which have a b.p. above the polymer processing temperature (1,2-propanediol, 1,4-pentanediol, 4-undecanol, dipropylene glycol and 2,9-decanediol) are used as light stabilizers (0.1-5 phr) for polypropylene, polyethylene, polystyrene, and vinyl chloride polymers. Thus, 100 parts poly(vinyl chloride) was mixed with 1 part 1,4-pentanediol at 160° for 2 min. For a 100-μ-thick film, the content of CO groups increased 10-fold after 550 h light exposure; vs. 300 h for an alc.-free film.

IT 57-55-6, uses and miscellaneous

RL: USES (Uses)

(light stabilizer, for polymers)

IT 9002-86-2

RL: USES (Uses)

(light stabilizers for, secondary alcs. as)